

Additional Comments:

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments: *I recommend the approval of this VE as a practical design VE.*

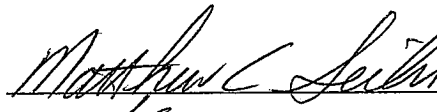

Submitted By Resident Engineer

10/6/09
Date

Comments: *Approved as stated except for ramps 19'3" unless ramps 19'3" are widened and resurfaced by design for approval.*

☒ Approval
Recommended

☐ Rejection
Recommended


for District Engineer

10/21/09
Date

Comments:

N/A - SEE ATTACHED - NON FHD OVERSIGHT

☐ Approval
Recommended

☐ Rejection
Recommended

Federal Highway Administration
Required for FHWA Full Oversight Projects

Date

Comments: *APPROVED AS 50/50 VE, NOT PRACTICAL DESIGN VE*

☒ Approval


☐ Rejection State Construction and Materials Engineer

10-26-09 *11-5-09*
Date

Greene Co Rt H

Replacement of Type 1 and Type 2 Rock Ditch Liner with Kentucky Bluegrass Sodding

Type	Route	Sta	Sta	Loc	Length	Width	Depth	CY	Sodding		Unit Price	SY	Savings		Geotextile Fabric	
									Unit Price	SY			Unit Price	Savings	SY	Savings
1	H	105+50	106+55	RT	105	3.6	1.66	23.3	\$ 38.00	42	\$ 4.60	691.70	\$ 4.60	\$ 691.70	86.40	\$ -
1	H	113+38	114+32	LT	94	8.6	0.54	16.1	\$ 38.00	89	\$ 4.60	200.36	\$ 4.60	\$ 200.36	86.40	\$ 224.64
1	H	114+83	116+94	LT	211	9.4	0.51	37.3	\$ 38.00	219	\$ 4.60	408.11	\$ 4.60	\$ 408.11		\$ -
1	H	117+69	119+64	RT	195	7.3	0.72	37.9	\$ 38.00	158	\$ 4.60	713.78	\$ 4.60	\$ 713.78		\$ -
1	H	132+74	134+22	LT	168	5.0	0.67	21	\$ 38.00	94	\$ 4.60	365.46	\$ 4.60	\$ 365.46		\$ -
1	Ramp 1	3+50	4+05	RT	55	7.5	0.67	10.2	\$ 38.00	46	\$ 4.60	177.51	\$ 4.60	\$ 177.51	54.10	\$ 140.66
1	Ramp 1	4+05	11+00	RT	695	8.1	0.67	140.4	\$ 38.00	629	\$ 4.60	2443.38	\$ 4.60	\$ 2443.38		\$ -
1	Ramp 1	4+50	5+50	LT	100	6.2	0.67	15.3	\$ 38.00	69	\$ 4.60	266.27	\$ 4.60	\$ 266.27	83.60	\$ 227.36
1	Ramp 3	10+50	13+15	RT	287	8.8	0.67	62.5	\$ 38.00	280	\$ 4.60	1087.69	\$ 4.60	\$ 1087.69		\$ -
1	H	146+43	147+50	RT	116	8.8	0.67	25.3	\$ 38.00	113	\$ 4.60	440.30	\$ 4.60	\$ 440.30		\$ -
1	Ramp 8	8+00	8+95	RT	101	8.7	0.67	21.7	\$ 38.00	97	\$ 4.60	377.64	\$ 4.60	\$ 377.64		\$ -
2	H	112+12	112+84	RT	72	9.1	1.07	26.1	\$ 38.00	73	\$ 4.60	655.18	\$ 4.60	\$ 655.18		\$ -
2	H	113+24	114+85	RT	161	10.6	0.77	48.6	\$ 38.00	189	\$ 4.60	975.79	\$ 4.60	\$ 975.79	181.60	\$ 472.16
2	H	115+32	116+81	RT	149	10.6	0.77	45.1	\$ 38.00	176	\$ 4.60	905.51	\$ 4.60	\$ 905.51		\$ -
2	H	116+81	117+20	RT	39	10.6	0.77	11.8	\$ 38.00	46	\$ 4.60	236.92	\$ 4.60	\$ 236.92		\$ -

Total Savings = \$ 11,000.41

-4,172.07
\$ 68,277.54



EMERY SAPP & SONS, INC.

800 Broadway, Suite 260
Kansas City, MO 64105
O: 816.221.3509
F: 816.421.9333

2602 N. Stadium Blvd.
Columbia, MO 65202
O: 573.445.8331
F: 573.445.0266

September 16, 2009

Mr. Johnny Teegardin R.E.
Missouri Dept. of Transportation
2549 N Mayfair
Springfield, MO 65803

**RE: Value Engineering for Sodding REVISED
Rt.H, Greene County
Job No J8S0724**

Mr. Teegardin:

Attached is a Value Engineering Proposal which includes the replacement of Type 1 and Type 2 Ditch Liner with Kentucky Bluegrass Sodding.

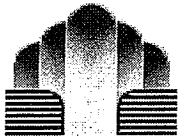
The current plans show Type 1 and Type 2 Rock Ditch Liner to be placed in the ditches along Rt H and the new Ramps. We believe that replacing the Ditch Liner with Bluegrass Sodding will provide a more attractive and effective erosion control measure. MoDOT has already verified that the Sod would provide adequate protection against erosion for the ditches along Rt H. We believe it would be beneficial if MoDOT would verify this for the other ditches in the attached breakdown.

Approving this revision will result in a savings of \$11,000.41 on the original contract quantity. If you have any questions regarding the attached Value Engineering Proposal please feel free to call.

Sincerely,

Emery Sapp & Sons, Inc.

Josh Doerhoff
Project Manager



Johnny L
Teegardin/D8/MODOT
10/06/2009 09:07 AM

To Dennis G Bryant/SC/MODOT@MODOT
cc Jimmy D McDiarmid/D8/MODOT@MODOT
bcc
Subject Fw: Value Engineering for Sodding REVISED

Dennis:

Here is VE #4 for this project. This VE covers the change from Type 1 and 2 Rock Ditch Liner to Sod for the ditches along Rte H and Ramps 1 and 3. Design has reviewed this request and has approved the change along Rte H noting that the sod will be adequate for this application. However, Design reinforces the fact that the rock ditch liner is needed on Ramps 1 and 3, so these quantities will be removed from the VE. Now, if ESS does redo the drainage in these areas by reshaping the in-fields like they did for Ramps 6 and 8, then we can add these back in later.

I recommend the approval of this VE. I will forward the hard copies for your signature.

Thanks.

Johnny Teegardin
Resident Engineer
MoDOT - Springfield Project Office
2549 N. Mayfair
Springfield, MO 65803
Ph. (417) 895-6720

----- Forwarded by Johnny L Teegardin/D8/MODOT on 10/06/2009 09:03 AM -----



Josh Doerhoff
<joshd@emerysapp.com>
09/16/2009 03:53 PM

To "Johnny.Teegardin@modot.mo.gov"
<Johnny.Teegardin@modot.mo.gov>,
"Howard.Henderson@modot.mo.gov"
<Howard.Henderson@modot.mo.gov>
cc
Subject Value Engineering for Sodding REVISED

Johnny

I forgot to include the geotextile fabric in the VE that I sent to you on Friday. I have attached a revised VE proposal for your review. Call if you have any questions.

Thanks

Josh Doerhoff
Emery Sapp & Sons
2602 N Stadium Blvd
Columbia, MO 65202
O: (573)-445-8331
F: (573)-445-0266
C: (573)-690-2067

joshd@emerysapp.com

From: Josh Doerhoff
Sent: Friday, September 11, 2009 4:50 PM
To: Johnny.Teegardin@modot.mo.gov
Cc: 'Howard.Henderson@modot.mo.gov'
Subject: Value Engineering for Sodding

Johnny

Attached is the Value Engineering Proposal for replacing the Type 1 & Type 2 Ditch Liner with Bluegrass Sodding. I have added some additional areas that we did not discuss in our weekly meeting. Please review and let me know as soon as possible if this will work.

Thanks

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joshd@emerysapp.com



Value Engineering Sodding Letter REVISED.pdf



Value Engineering Proposal Sodding REVISED.pdf



Sodding Revised.pdf

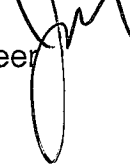


MEMORANDUM


Missouri Department of Transportation

District 8

Springfield Construction

TO: Jim McDiarmid
District Construction and Materials Engineer 

CC:

FROM: Johnny Teegardin 
Resident Engineer

DATE: October 6, 2009

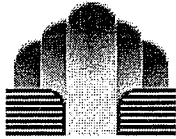
SUBJECT: VE Proposal (#4) – Replace Rock Ditch Liner with Sod
Job No.: J8S0724
Route: H
County: Greene

Please find enclosed for your review, comments, and recommendation/rejection and forward to Construction Division this VE proposal to change the use of sod along Rte H and Ramps 1, 3 and 8 in lieu of the rock ditch liner shown in the plans. Design has reviewed this request and approved the use of the sod along Rte H. However, Design will not allow the use of sod on Ramps 1 and 3 unless ESS changes the width of the ditches. At that point, Design will reassess the elimination of the rock ditch liner for Ramps 1 and 3.

This proposal has an estimated cost savings of \$6,827.54 (after removing quantities for Ramps 1 and 3) will be split 75/25 with the contractor in accordance with Section 104.6 of the Standard Specifications and the practical design guidelines.

Copy: File

jt



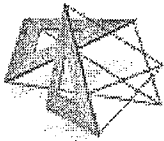
Johnny L
Teegardin/D8/MODOT
10/26/2009 10:20 AM

To Dennis G Bryant/SC/MODOT@MODOT
cc Jimmy D McDiarmid/D8/MODOT@MODOT
bcc
Subject Re: Fw: Value Engineering for Sodding REVISED

That is correct - no FED oversight.

Thanks.

Johnny Teegardin
Resident Engineer
MoDOT - Springfield Project Office
2549 N. Mayfair
Springfield, MO 65803
Ph. (417) 895-6720
Dennis G Bryant/SC/MODOT



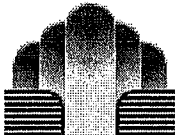
Dennis G Bryant/SC/MODOT
10/26/2009 10:14 AM

To Johnny L Teegardin/D8/MODOT@MODOT
cc Jimmy D McDiarmid/D8/MODOT@MODOT
Subject Re: Fw: Value Engineering for Sodding REVISED

I haven't seen the hard copies of this one yet with yours and the District's recommendations, but I can give you a verbal if time is short. Also, am I correct in my recollection that the Feds decided to handle this project as non-federal oversight?

Thanks

Johnny L Teegardin/D8/MODOT



Johnny L
Teegardin/D8/MODOT
10/06/2009 09:07 AM

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cc Jimmy D McDiarmid/D8/MODOT@MODOT
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Thanks

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

- ☐ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's, ect.)
- ☐ TCP/MOT
- ☐ Paving (PCCP, ect.)
- ☒ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. _____

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

_____ Use sodding in lieu of ditch liner for erosion control in ditches.

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.

_____ Scan entire document.

